

WHAT IS CLAIMED IS

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1. A disk unit having a function of loading a head on a disk from a holding mechanism during a load operation and unloading the head from the disk during an unload operation, comprising:

10 a controller which controls a movement of the head so that the loading operation and the unloading operation are carried out in a specific region on the disk, said specific region extending for an angular range smaller than 360° .

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2. The disk unit as claimed in claim 1,
20 wherein the specific region is provided at a
plurality locations on the disk.

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3. The disk unit as claimed in claim 1,
further comprising:

a motor which rotates the disk,
said controller controlling the movement of the
head so that the load operation and the unload
operation are carried out based on a rotary position
of the motor.

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4. The disk unit as claimed in claim 1,

wherein the specific region of the disk is
prerecorded with a synchronizing signal.

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5. The disk unit as claimed in claim 1,
wherein data is recordable in regions of the disk
other than the specific region.

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15 6. The disk unit as claimed in claim 1,
wherein said controller controls the movement of the
head so that the unload operation is carried out in
the specific region based on servo information which
is prerecorded on the disk.

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25 7. The disk unit as claimed in claim 3,
wherein said controller detects the rotary position
of the motor a plurality of times during one
revolution of the motor, and sets the specific
region on the disk with respect to each detected
rotary position of the motor.

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35 8. The disk unit as claimed in claim 1,
wherein the disk is provided with a protection layer,
and a thickness of the protection layer is larger in
at least the specific region compared to other
regions of the disk.

9. A disk unit having a function of loading a head on a disk from a holding mechanism during a load operation and unloading the head from the disk during an unload operation, comprising:

5 a controller which controls a movement of the head so that the loading operation and the unloading operation are carried out uniformly in a circumferential direction of the disk within a specific region on the disk.

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15 10. The disk unit as claimed in claim 9, wherein said controller controls the movement of the head so that a position on the disk where the head is loaded during the load operation and the head is unloaded during the unload operation is successively shifted by a predetermined distance in the 20 circumferential direction of the disk within the specific region on the disk for each load operation and each unload operation.

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11. The disk unit as claimed in claim 9, further comprising:

30 a motor which rotates the disk, said controller controlling the movement of the head so that a position on the disk where the head is loaded during the load operation and the head is unloaded during the unload operation is successively shifted by a predetermined distance in the 35 circumferential direction of the disk within the specific region on the disk for each load operation and each unload operation, by detecting a rotary

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position of the motor and delaying a time until the load operation or the unload operation is carried out from a predetermined rotary position of the motor.

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12. The disk unit as claimed in claim 9,
10 wherein data is recordable in regions of the disk
including the specific region.

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13. The disk unit as claimed in claim 9,
further comprising:

20 a motor which rotates the disk,
said controller detecting a rotary position of
the motor by detecting a back-electromotive voltage
generated by a rotation of the motor, and
controlling timings of the load operation and the
unload operation based on the detected rotary
position.

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14. The disk unit as claimed in claim 13,
30 wherein said controller controls the movement of the
head so that a position on the disk where the head
is loaded during the load operation and the head is
unloaded during the unload operation is successively
shifted by a predetermined distance in the
35 circumferential direction of the disk within the
specific region on the disk for each load operation
and each unload operation, based on the detected

back-electromotive voltage.

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